



USMC IUID Legacy Ground Equipment



JANUARY 201



Head Quarters, USMC
Installations & Logistics
(I&L)
Life Cycle Management

Marine Corps Systems
Command
Product Group 09
Operational EF



USMC Enterprise Approach

- ***PM Led Approach Wasn't Working***
 - PMs Main Effort is Equipping the Warfighter to Win
 - Inconsistent Approach to IUID Across Programs
- ***"Monthly" Working Group Established - August 2007***
 - Membership Across Functions & Organizations
 - Enables:
 - Economies of Scale For Active Marking Campaign
 - Synchronize IUID Policies, Plans & Initiatives
 - Reduced Burden on PMs
 - Enterprise Impact Beyond Individual PMs Authority
 - Established IUID "Nodes"
- ***Transition to USMC IUID Program of Record*** ²



USMC IUID Implementation Strategy

- ***Identify Items to be IUID Marked***
 - Translate DoD Criteria to USMC AIS Policy
- ***IUID Marking***
 - New Acquisitions, i.e., DFARs
 - Legacy Marking
 - “Seek & Validate”
 - “Seek & Apply”
 - “Seek & Verify”
 - “Opportunity & Apply”
- ***Employing the UIIs***
 - Global Combat Service Support - Marine Corps (GCSS-MC)



End State

➤ ***Improved Total Life Cycle Management (TLCM) of Marine Corps Equipment via IUID:***

- ❑ Property Accountability
- ❑ Positive Inventory Control
- ❑ Product Lifecycle Management
- ❑ Sense and Respond Logistics (S&RL)
- ❑ Serialized Item Management (SIM)
- ❑ Condition Based Maintenance Plus (CBM+)
- ❑ Product Data Management (PDM)
- ❑ TLCM Modeling and Simulation
- ❑ Financial Accountability



Supporting Transformation

Warfighting
Capabilities

Net Centric
Operations
& Warfare

Highly Integrated
Equipment
Management

Total Life
Cycle
Management

Sense &
Respond
Logistics

IUID Value
Streams

Property
Accountabilit
y

Intensive
Item
Management

Product
Lifecycle
Management

IUID Basic
Processes

Sustainmen
t Node
Marking

Logistics
Chain
Marking

IUID Data
Managemen
t

IUID
Marking
Instructions



USMC Legacy Strategy - Nodes

- ***Marine Corps Logistics Command - Depots***
 - Marine Corps Logistics Base (MCLB) - Albany & Barstow
 - Depot Level Maintenance Program
 - Master Work Schedule (MWS)
 - SOW Stimulated
 - ❖ Message - CMC/DCL/LPC DTG 081315Z Apr
 - Fleet Support Division (FSD)
 - Blount Island Command
 - Maritime Prepositioned Forces (Ship Rotations)
 - Marine Corps Preposition Program Norway (MCPP-N), FY12
- ***Marine Corps Systems Command***
 - Marine Forces
 - Marine Forces Reserves



Background, USMC Challenge & Action

➤ ***Background - Department of Defense***

- OEM UID Marks required (2004) by DFARS Clauses 211.274 & 252.211-7003
- DoD Policy Memorandum for IUID, December 2008
 - 31 Dec 2010 - All Class VII in DoD inventory must be UII Registered
 - 31 Dec 2015 - All Class IX in DoD inventory must be UII Registered

➤ ***USMC Challenge***

- DoD IUID Effort is an “Unfunded” Mandate - Funding
- Contracting Mechanisms/Efforts
- Mark and Register all Class VII, i.e., Principal End Items, NLT 31 Dec 2010

➤ ***Action - USMC/Marine Corps Systems Command (MCSC)***

- Feb 2008 - HQMC, DC I&L (LPC) funds IUID Legacy efforts to Marine Corps Systems Command (MCSC), Operational Forces Systems (PG09)
- Feb 2009 - Naval MSG/CMC, Identifies PG09 as the primary responsible POC for IUID Legacy Ground Equipment Marking Program
- Support/Migration to Global Combat Support System – Marine Corps



MCSC IUID Legacy - Phased

Approach

➤ *Mission Essential Phase I (MEP-I), FY09*

(Note: Mission Essential)

- Class VII: 162 NSNs, ~70,000 PEIs
- Class IX: ~500,000 Assemblies/Sub-Assemblies, i.e., SECREPs

➤ *Marine Corps IUID Legacy Phase 2 (MCI-LP2), FY10*

(Note: Controlled Items)

- Class II & VII: 340 NSNs, ~396,000 PEIs
- Class IX: ~164 NSNs Assemblies/Sub-Assemblies, i.e., SECREPs

➤ *Marine Corps IUID Legacy Phase 3 (MCI-LP3), FY11*

(Note: SIM/>\$5K/PM)

- Class VII, II & VIII ~912 NSNs



Marine Corps IUID Legacy - Pedigree Data Collection

➤ *Pedigree Data Collection*

- DoD/Registry Criteria
- GCSS-MC Requirements
- Financial Data

➤ *Temporary Data Storage (TDS)*

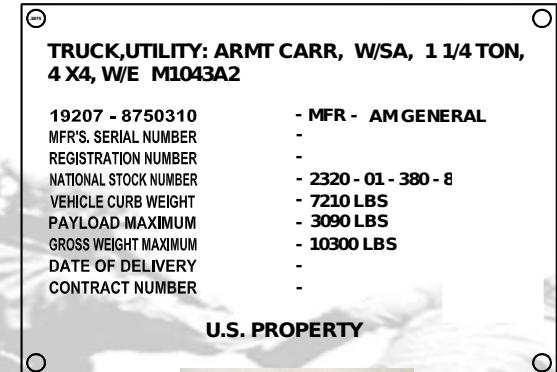
➤ *OSD Registry*

IUID Data Element	Legacy and/or IUID Data Elements	Financial Data Elements
UII	NSN	ContractType
UID Type	TAMCN	ContractNumber (PIN)
Issuing Agency Code	USMC Nomenclature	PrimeContractorID CAGE
Enterprise Identifier	Model Name / Number	PrimeContractorID DUNS
Enterprise Serial Number	ManufacturerCode	Item Description
Original Part Number	ManufacturerID	BAC
Mark Set	USMC Serial Number	BLI
ContentType	OEMSerial Number	RCN
MarkValue	GD Serial Number	SIC
Bagged or Tagged Code	WAWF Serial Number	OCC
Marker Code	Batch / Lot Number	SDN
Marker ID	Current Part Number Effective Date	LOA
Medium Type	Current Part Number	ACRN
Mark Effective Date	UII Label	SPIIN
Unit of Measure	End of Life Date	CLIN
	PEI	Acquisition Cost
	ProductGroup / PM	Acceptance Location
	POC	Acceptance Date
	POC Phone	Foreign Currency Code
	Additional Information	Current Acquisition Value
	Parent UII	
	Custody DODAAC	
	Custody LocationName	



Marine Corps IUID Legacy Engineering Analysis Process

- ***Identify Existing Drawings or ECPs***
- ***Leverage Data Plate - Label Right, Left, Bottom or Top***
- ***Conduct Engineering Analysis***
 - Coordinate with PM Systems Engineer
 - Identify Environmental Conditions
 - Determine Location
 - Identify Surface Material
 - UII Label Size, Materiel & Adhesive
- ***Validate Process, i.e., Test & Evaluation***
- ***Develop "Draft" Marking Instruction***
- ***PM Approval***
- ***Publish Validated Marking Instructions***





Marine Corps IUID Legacy “Seek & Apply” & “Seek & Validate”

➤ ***Mobile Marking Execution Plan (MMEP)***

- Communication Plan
- Movement Plan
- Mobile Marking Team (MMT) Structure
- Equipment Requirements
- Logistics Requirements

➤ ***USMC Temporary Data Storage (TDS)/DoD Registry***

- Marked & OEM Marked P
- CL II, VII, VIII & IX
- External Organizations





Marine Corps IUID Legacy - IUID Site Managers (ISMs)

- ***PEI Sustainment Marking, i.e., Class VII***
- ***Provide On-Site Label Production***
- ***Mark SECREPs, i.e., Assemblies - “Opportunity & Apply”***
- ***Integrated Marking Carts (IMCs)***
 - On-Site Maintenance & Sustainment
- ***Quality Assurance***
 - Validating & Capturing OEM Marks
 - Identify Discrepancies as Required



USMC IUID Legacy - Communication & Protocol

- **Key to Success!**
- ***Upfront Coordination with Program Managers***
 - IUID Status Briefs
 - Validation & Quality Assurance
- ***Protocol with USMC Major Commands***
 - Formal Naval Messages
 - In-Briefs & Outbriefs Conducted at Commander Marine Forces (COMMARFOR)/Marine Expeditionary Forces (MEF)
 - Letters of Instruction (LOIs) by MEF & Unit Level
- ***Unit Level In-Briefs & Coordination Schedule Development***
 - Information & Movement Briefs
 - Sustainment Process
- ***Publications & Conferences***
 - Base Newspapers, Marine Gazette, & MCSC On Point Magazine
 - Industry Newsletters
 - DoD Conference Attendance, Participation & Demonstration



USMC IUID Legacy - Lessons

➤ ***Data System Integrity Learned***

- Pedigree Data Collection Sources
 - Total Force Structure Management Systems (TFSMS)
 - Marine Corps Equipment Readiness Information Tool (MERIT)
 - Haystack & FEDLOG
 - Program Management Office
- Inventory Data Sources - Onsite
 - Consolidated Memorandum Receipt (CMR) Accuracy
 - Equipment Data Plate
- Data Mining
 - Authoritative Data Sources
 - Information Exchange Requirements, Present & Future
- Data Discrepancies
 - Additional Equipment
 - Serial Number/Part Number
 - Characters:
 - Blank Spaces
 - Characters not matching, i.e., Periods, Dashes & Slashes

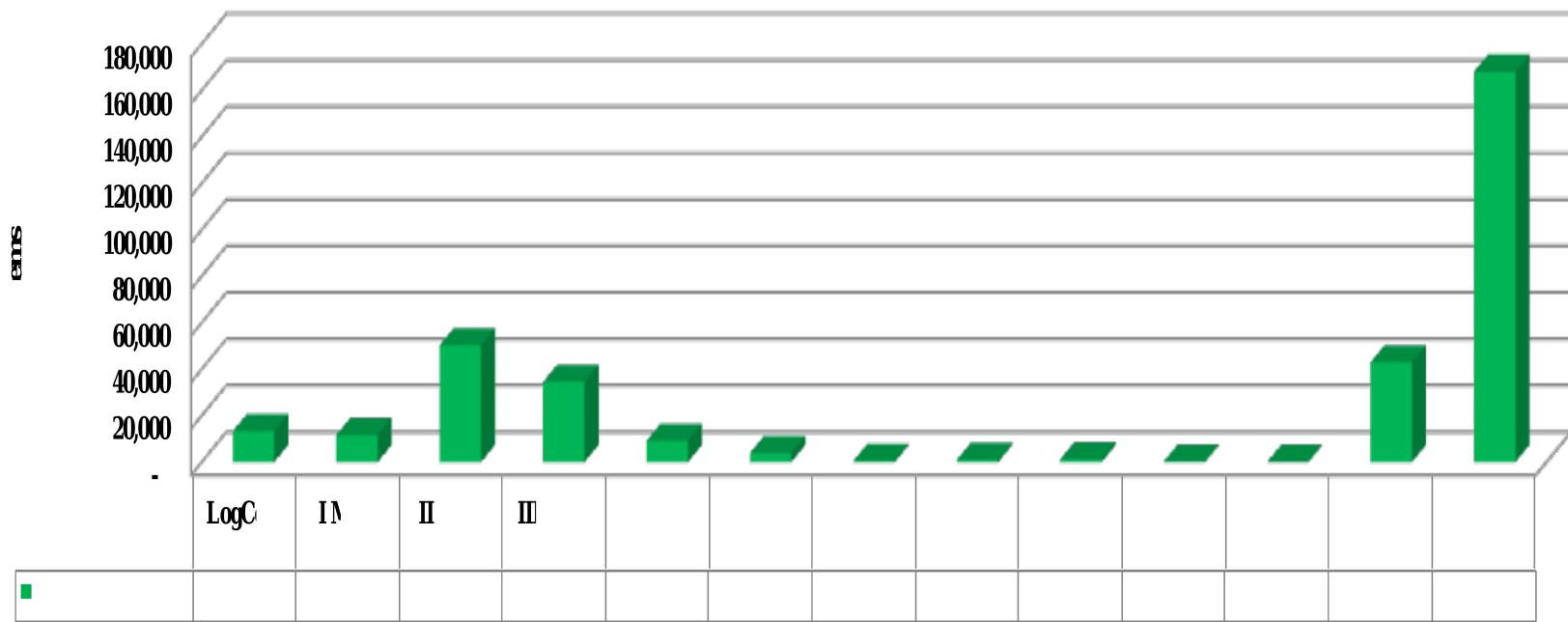
➤ ***Data System Integrity - Solutions***

- Employ Rigorous Inventory Process
- QA/QC Embedded Throughout Process
- Close Unit Coordination
- Proactive Discrepancy Reporting Process - All Stakeholders



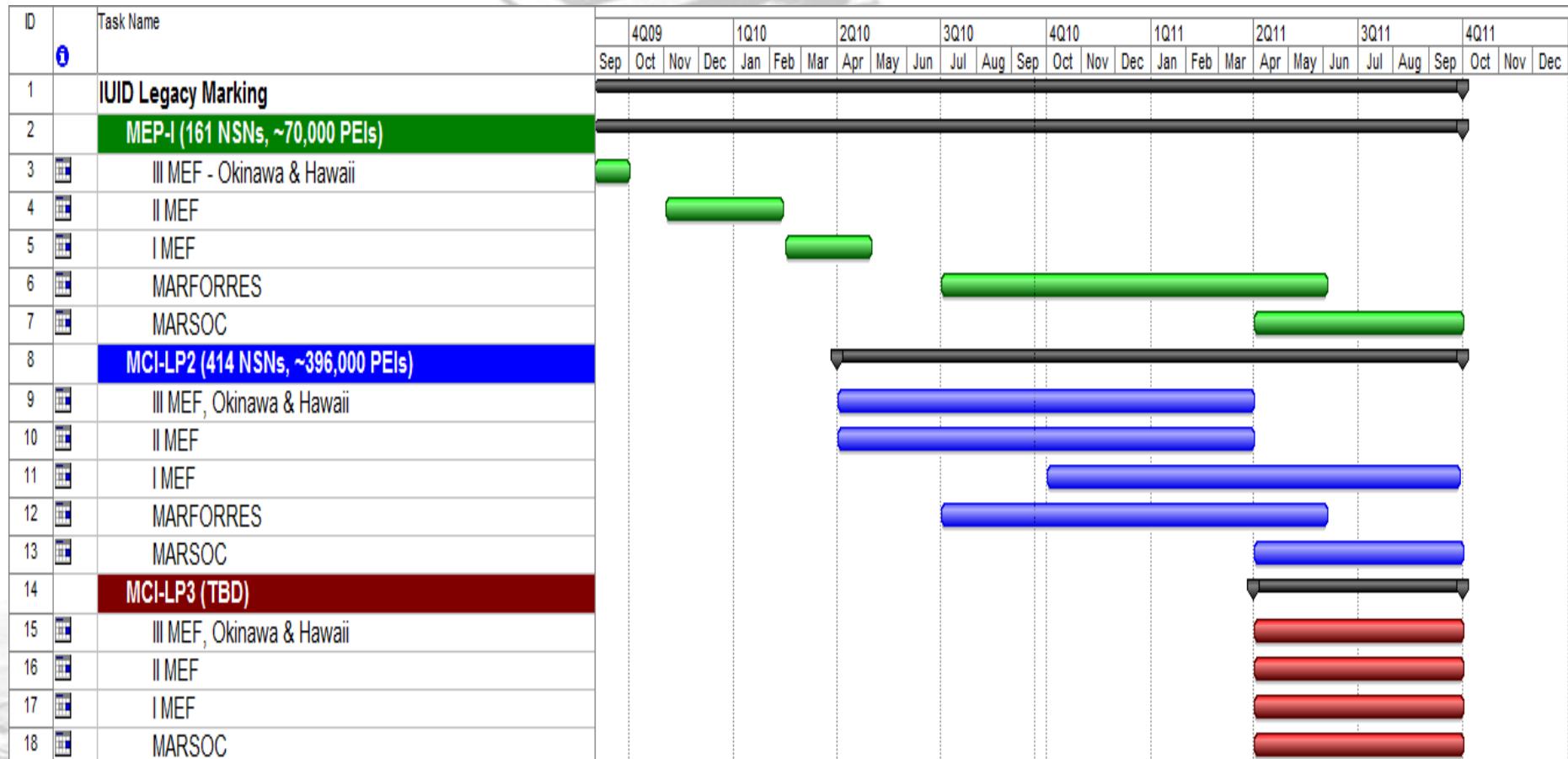
Legacy Marking/Data Status

As of 31 Dec





Marine Corps IUID Legacy - Notional Schedule





USMC IUID Legacy Efforts Acknowledgements & Partnerships

- ***GDIT/Claxton Logistics***
 - Key Development & Implementation of Legacy Marking Processes
 - Firmly Established Core Marking Team Dispersed Geographically
 - Marking Instructions Developed & Maintained, ~700
 - Maintains USMC IUID Temporary Data Storage (TDS)
- ***US Air Force, EBS***
 - Pre-Printed & Blank Labels – III MEF Execution
- ***Camcode/Horizons, Inc.***
 - Tactical & Blank Labels, Cataloging
- ***A2B***
 - Integrated Marking Carts (24 IMCs)
 - Scanners
 - Software Support
 - Training



USMC IUID Legacy Ground Equipment

Questions?

